CLAIMS

WE CLAIM:

1. A module box having an opening with a single-fiber feedthru, comprising

a C-seal;

a glass-sealed feedthru having a front tube and a back tube, the back tube of the glass-sealed feedthru extending through the C-seal; and

a fiber passing through the glass-sealed feedthru and the C-seal, thereby hermetically sealing into the opening of the module box made of aluminum.

2. The module box of Claim 1, further comprising a feedthru holder coupled to the front tube of the glass sealed feedthru, the fiber extending through the feedthru holder, the glass sealed feedthru, and the C-seal.

3. The module box of Claim 2, further comprising a first screw for pressing a first split lock washer and the feedthru holder into the module box.

4. The module box of Claim 3, further comprising a second screw for pressing a second split lock washer and the feedthru holder into the module box.

5. A module box having with a 2-fiber feedthru, comprising:

a C-seal;

a glass sealed 2-fiber feedthru with integrated holder having a fiber retention tubing at a front end and a glass sealing tubing at a back end, the glass sealing tubing of the glass sealed 2-fiber feedthru with integrated holder extending through the C-seal;

a first fiber passing through the glass sealed 2-fiber feedthru with integrated holder and the C-seal, thereby hermetically sealed into a first opening of the module box made of aluminum; and

a second fiber passing through the glass sealed 2-fiber feedthru with integrated holder and the C-seal, thereby hermetically sealed into a second opening of the module box.

6. The module box of Claim 5, further comprising a rubber boot having a first end and a second end wherein the second end of the rubber fits into the fiber retention tubing of the glass-sealed 2-fiber feedthru with integrated holder.

7. The module box of Claim 6, wherein the glass sealing tubing fiber of the glass sealed 2-fiber feedthru with integrated holder has a sufficient length to avoid stress from being imposed on a glass seal area in the glass sealed 2-fiber feedthru with integrated holder.

8. The module box of Claim 7, further comprising a first screw for pressing a first split lock washer and the glass sealed 2-fiber feedthru with integrated holder into the module box.

9. The module box of Claim 8, further comprising further comprising a second screw for pressing a second split lock washer and the glass sealed 2-fiber feedthru with integrated holder into the module box.

10. A module box with ribbon fiber feedthru, comprising:

a C-seal;

a glass sealed ribbon feedthru with integrated holder having a fiber retention tubing at a front end and a glass sealing tubing at a back end, the glass sealing tubing of the glass sealed ribbon feedthru with integrated holder extending through the C-seal; and

a ribbon fiber passing through the glass sealed ribbon feedthru with integrated holder and the C-seal, thereby hermetically sealed into an opening of the module box made of aluminum.

11. The module box of Claim 10, further comprising a rubber boot having a first end and a second end wherein the second end of the rubber fits into the fiber retention tubing of the glass-sealed ribbon feedthru with integrated holder.

12. The module box of Claim 12, wherein the glass sealing tubing fiber of the glass sealed ribbon feedthru with integrated holder has a sufficient length to avoid stress

from being imposed on a glass seal area in the glass sealed ribbon feedthru with integrated holder.

13. The module box of Claim 12, further comprising a first screw for pressing a first split lock washer and the glass sealed ribbon feedthru with integrated holder into the module box.

14. The module box of Claim 13, further comprising a second screw for pressing a second split lock washer and the glass sealed ribbon feedthru with integrated holder into the module box.